



# Federal Communications Commission

Approved by OMB  
3060-0999  
See instructions for  
public burden estimate.

## Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: January 1, 2017 - December 31, 2017

Filing Confirmation Number: 0008057316

Filing Deadline: January 16, 2018

FRN: 0001637222

Filing Date: 01/10/2018 07:52 AM

### General Report Information

#### Type of Company

Service Provider

#### De Minimis Exception

Did you offer any handsets to subscribers in the United States during the reporting period? Yes

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? Yes

Were you a small entity at any time during the three years prior to the end of the reporting period?

Date that you ceased to be a small entity?

#### Company Information

Company Name: Triangle Communication System, Inc.

Brand Names: Triangle Mobile

PO Box: 1230

Street Address: 2121 Highway 2 NW

City: Havre

State: MT

Zip Code: 59501

Contact Name: Timothy Welch

Contact Phone: (202) 321-1448

Contact Fax: (301) 622-2864

Contact Email: welchlaw@earthlink.net

#### Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? No

#### Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are capable of voice

communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007, include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operation?

Yes

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19-2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

Yes

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?

Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

### Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels.

Yes

Website address: <http://itstrianglemobile.com/phones>

Explain:

### Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Website. Point of sale displays include signs that HAC handsets are available and displays include HAC ratings. Opportunity for customers at point of sale to test any handset. Reporter is not aware that a HAC standard has been established for WI-FI; signage indicates that new technologies have not been HAC tested as per Section 20.19(f)(2)(i).

### Methodology for Functionality Levels

Feature Tier--Handsets which have two-way voice and advanced features including a selection of SMS texting, camera, memory card slot, Bluetooth capability, Internet access capability, music player, texting keyboard, touch screen in varying combinations.

Smartphone Tier (S)--Handsets which include an email client and a full HTML browser.

MH--Mobile hotspot.

### Report Remarks

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You have reported the following handset model summary information.

Total number of handsets offered: 20

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
CDMA	17	94%			1	6%	18
LTE	16	94%			1	6%	17
Wi-Fi					2	100%	2

## Handset 1: Apple A11660 (iPhone 7)

### Handset Maker

Apple

### Handset Model Name

A11660 (iPhone 7)

### FCC ID

BCG-E3085A

### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

### Dates

This handset model was offered from: 01/17 to 12/17

### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

### Functionality Level

S

### Remarks

## Handset 2: Apple A1633 (iPhone 6s)

### Handset Maker

Apple

### Handset Model Name

A1633 (iPhone 6s)

### FCC ID

BCG-E2946A

### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 3: Apple A1634 (iPhone 6s pl)

#### Handset Maker

Apple

#### Handset Model Name

#### FCC ID

A1634 (iPhone 6s pl)

BCG-E2944A

#### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 4: Apple A1661 (iPhone 7 pl)

#### Handset Maker

Apple

#### Handset Model Name

#### FCC ID

A1661 (iPhone 7 pl)

BCG-E3087A

#### Air Interfaces/Frequency Bands

700 MHz LTE

800 MHz CDMA

1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 5: Apple A1662 (iPhone SE)

#### Handset Maker

Apple

#### Handset Model Name

#### FCC ID

A1662 (iPhone SE)

BCG-E2945A

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 01/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

**Functionality Level**

S

**Remarks****Handset 6: Apple iPhone 8****Handset Maker**

Apple

**Handset Model Name**

iPhone 8

**FCC ID**

BCG-E3159A

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 11/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 7: Apple iPhone 8 Plus

#### Handset Maker

Apple

#### Handset Model Name

iPhone 8 Plus

#### FCC ID

BCG-E3160A

#### Air Interfaces/Frequency Bands

700 MHz LTE

800 MHz CDMA

1900 MHz CDMA

#### Dates

This handset model was offered from: 11/17 to 12/17

#### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 8: Apple iPhone X

#### Handset Maker

Apple

#### Handset Model Name

iPhone X

#### FCC ID

BCG-E3161A

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 12/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

**Functionality Level**

S

**Remarks****Handset 9: Franklin MHS700L (WiMATE)****Handset Maker**

Franklin

**Handset Model Name      FCC ID**

MHS700L (WiMATE)      XHG-R700

**Air Interfaces/Frequency Bands**

700 MHz Wi-Fi

**Dates**

This handset model was offered from: 01/17 to 12/17

**Ratings**



M-Rating:

T-Rating:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

MH

#### Remarks

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### Handset 10: LG AN170 Fluid 2

#### Handset Maker

LG

#### Handset Model Name

AN170 Fluid 2

#### FCC ID

ZNFVN170

#### Air Interfaces/Frequency Bands

800 MHz CDMA

1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

FEATURE

#### Remarks

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### Handset 11: LG G5

#### Handset Maker

LG

#### Handset Model Name

G5

#### FCC ID

ZNFVS987

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 01/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

**Functionality Level**

SMARTPHONE

**Remarks**

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**Handset 12: LG K8****Handset Maker**

LG

**Handset Model Name****FCC ID**

K8

ZNFVS500

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 01/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

SMARTPHONE

#### Remarks

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### Handset 13: Novatel MIFI5510

#### Handset Maker

Novatel

#### Handset Model Name

MIFI5510

#### FCC ID

PKRNVWMIFI5510

#### Air Interfaces/Frequency Bands

700 MHz Wi-Fi

#### Dates

This handset model was offered from: 07/17 to 07/17

#### Ratings

M-Rating:

T-Rating:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

Mobile hot spot

#### Remarks

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### Handset 14: Novatel MIFI6620

#### Handset Maker

Novatel

#### Handset Model Name

MIFI6620

#### FCC ID

PKRNVWMIFI6620

#### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating:

T-Rating:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

MOBILE HOTSPOT

#### Remarks

### Handset 15: Samsung GALAXY S6 G920

#### Handset Maker

Samsung

#### Handset Model Name

GALAXY S6 G920

#### FCC ID

A3LSMG920R7

#### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

SMARTPHONE

#### Remarks

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### Handset 16: Samsung Galaxy S8

#### Handset Maker

Samsung

#### Handset Model Name

Galaxy S8

#### FCC ID

A3LSMG950U

#### Air Interfaces/Frequency Bands

700 MHz LTE

800 MHz CDMA

1900 MHz CDMA

#### Dates

This handset model was offered from: 05/17 to 12/17

#### Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 17: Samsung Galaxy S8 Plus

#### Handset Maker

Samsung

#### Handset Model Name

Galaxy S8 Plus

#### FCC ID

A3LSMG955U

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 05/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

**Functionality Level**

S

**Remarks**

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**Handset 18: Samsung Note 8****Handset Maker**

Samsung

**Handset Model Name**

Note 8

**FCC ID**

A3LSMN950U

**Air Interfaces/Frequency Bands**

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

**Dates**

This handset model was offered from: 11/17 to 12/17

**Ratings**

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

S

#### Remarks

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### Handset 19: Samsung S7

#### Handset Maker

Samsung

#### Handset Model Name

S7

#### FCC ID

A3LSMG930US

#### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

#### Dates

This handset model was offered from: 01/17 to 12/17

#### Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

#### Functionality Level

SMARTPHONE

#### Remarks

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### Handset 20: Samsung SMG360R6 CORE PRIME

#### Handset Maker

Samsung

#### Handset Model Name

SMG360R6 CORE PRIME

#### FCC ID

A3LSMG360V

### Air Interfaces/Frequency Bands

700 MHz LTE  
800 MHz CDMA  
1900 MHz CDMA

### Dates

This handset model was offered from: 01/17 to 12/17

### Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

### Functionality Level

SMARTPHONE

### Remarks

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### Certification

#### This Report has been certified by:

Tim Nixdorf Wireless Operations Manager  
01/10/2018 07:52 AM